SBR No.02/19-20
DATED 4-4-19

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No.02/19-20
Dt.4-4-19

No.1st & Final Bill

Date.....2010

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-007-18-000128**

Schedule Docket No. Head of Account : P – 0287(M&R to Electrical Crematorium) D.R.No.

Name of Work. Providing CCTV Cameras to the crematorium at Hebbal Kempapura Ward No 07

.Name of Contractor and Full Address:- M/s Power Mac Electricals.

Reference to Agreement No:EE/Ele/YZ/WO/000053/2018-19 Date:- 08/02/2019

Certified that the measurements were taken by me on 27/3/2019 and recorded of Pages 256514 to 517 of measurement Book No. 2566/1849 and that the work is satisfactorily executed.

Raju

Contractor

T.N. Baddy JE PG

Officer-in-charge of work

Certified that the measurement were taken by me on 27/3/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
Sub-Division Officer
BBMP, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	Bill = 398132=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 3981=00
3)	" Balance	Sbest 1% 3374=00
4)	Deduct Payment:	Cbest 1% 3374=00
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	LWC 1% 3981=00
		CBFD 1% 398=00
b)	Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	deductions= 15108=00
		Chvee = 383024=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Raju

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Raju

Dated Signature of Contractor

Stamp

Raju

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P0287 M&R to Electrical Crmth

ರೂ: 398132=00 ಅಡಿಯ ಮೊತ್ತ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 383024=00 ಚೆಕ್ ನಿಡಲಾಗಿದೆ

ರೂ: 15108=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪೂ.ಇ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl no	Description of item	Unit
	Name of the Work:- Providing CCTV Cameras to the crematorium at Hebbal Kempapura Ward No 07	
1	Supplying, erecting, testing & commissioning of OFF-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with all accessories complete and Excluding batteries and wiring complete.2 KVA OFF LINE UPS One Hour back up Excluding 3x 80Ah batteries	Mtrs
2	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Low maintenance Tubular batteries.12 V ,100 AH capacity Acid Battery	Mtrs
3	Supplying & Fixing of switch mounting rack with power manager & Cable manager. 6U with 450mm depth	Nos
4	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table 3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A.4C X 1.5Sq.mm	Mtrs
5	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.25mm dia 2mm thick	Mtrs
6	DS-7B16HUHI-K2 – DVR -HIKVISION Supports up to 5 MP Camera	Nos
7	DS-2CE5AHOT-ITPF-DOME camera -5 MP - HIKVISION	Nos
8	DS-2CE1AHOT-ITPF-BULLET camera -5 MP - HIKVISION	Nos
9	4 TB Hard Disk- WD Surveillance	Nos
10	Power Supply for Camera 12 V-16 Amps – ERD	Nos
11	32" TV – LED – TCL/LG/Samsung	Nos
12	Installation & Configuration of DVR Camera	Set
13	Huawei 4g Dongle E 8732 4 G Switch	Nos
14	Tplink MR 3020 4G Switch for remote Viewing	Nos
15	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts	Nos
16	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.	Nos
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore-

Previous		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate	Amount	Qty	Cost	
		1	24000.00	24000.00	1	24000.00	
		2	16000.00	32000.00	2	32000.00	
		1	4300.00	4300.00	1	4300.00	
		770	67.00	51590.00	770	51590.00	
		321	70.00	22470.00	321	22470.00	
		1	30115.00	30115.00	1	30115.00	
		6	2975.00	17850.00	6	17850.00	
		8	3945.00	31560.00	8	31560.00	
		1	13520.00	13520.00	1	13520.00	
		14	2550.00	35700.00	14	35700.00	
		1	28150.00	28150.00	1	28150.00	
		1	14850.00	14850.00	1	14850.00	
		1	4625.00	4625.00	1	4625.00	
		1	2758.00	2758.00	1	2758.00	
		6	1774.00	10644.00	6	10644.00	
		4	18500.00	74000.00	4	74000.00	
				398132.00		**398132.00**	